



# **3D Printing Finishing Guide**



## Secure Manufacturing

- When it comes to **bespoke and highly exacting manufacturing** - no other company has more experience.
- The products we touch cannot tolerate error, and the processes we design ensure their integrity.
- We have done many things over the years, but identifying simple solutions to complex problems is what we do best.
- If you question how to adapt in a rapidly changing world, it would be fair to say we have some experience in that area - more than two centuries of it.

## Finishing

In any manufacturing company, but especially in Additive Manufacturing, finishing is a very important offering. Here at ABCorp, we understand finishing, and discuss it with our clients and prospective clients so they get the most out of their part. In this document, we go over our finishing offerings to help you understand and make an informed decision.

# What We Offer

## Standard MJF Finish



## Dyed Black



## AMT Smoothed



## AMT Smoothed with Black Dye



# The Specifics

This is the HP grey part. Ideal for internal parts where cosmetics don't matter.

Crisp and sharp finish. This matte black finish looks great.

Seals the parts. Anti-microbial. Improved Material Properties.

Combining the black dye and AMT smoothing process. Best looking parts and improved material properties.

# The Benefits

Most inexpensive finish and great for fast turnarounds.

Gives a sharp consistent finish look to the parts.

Makes the part antimicrobial, sealing the part to water absorption and bacteria. Color parts come out sharp and vibrant.

Makes the part antimicrobial, sealing the part to water absorption. Best quality finish.

# The Materials

- PA12
- PP
- TPU
- PA12CB

- PA12
- TPU
- PA12CB

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- TPU
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- PA12
- TPU
- PA12CB



HP 3D HR PA12

HP 3D Polypropylene

BASF Ultrasint™ TPU01



Strong, functional, and detailed parts at lowest cost

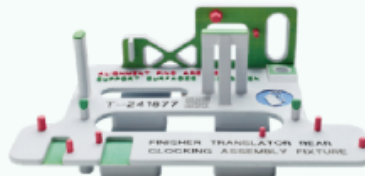
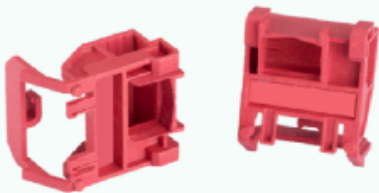
Chemical resistant, weldable, low moisture absorption, and functional parts

Ideal for parts requiring shock absorption, energy return, or flexibility

Single Color

Spot Colors

Full Color Spectrum



Add color at the part level, just prior to printing

Add text and face colors using a variety of CAD solutions

Add texture maps with tools similar to 3D animation



Throughout the past 225+ years, ABCorp provided Essential goods and services to world-class companies and federal, state, and local government agencies in more than 120 countries. Now, ABCorp is pleased to expand our partnership with HP and launch the first global, enterprise-grade additive manufacturing platform.

We hope that you found this guide insightful. We'll reach out to see how you can leverage this technology to benefit your business. In the meantime, please feel free to contact us directly with any questions you may have.

**For more information on finishing and how to buy parts, contact us at [3D@abcorp.com](mailto:3D@abcorp.com) or 617-325-9600**



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